

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-331235

(43)Date of publication of application : 19.11.2002

(51)Int.CI.

B01J 7/00

B01D 39/06

B60R 21/26

(21)Application number : 2001-139872

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(22)Date of filing : 10.05.2001

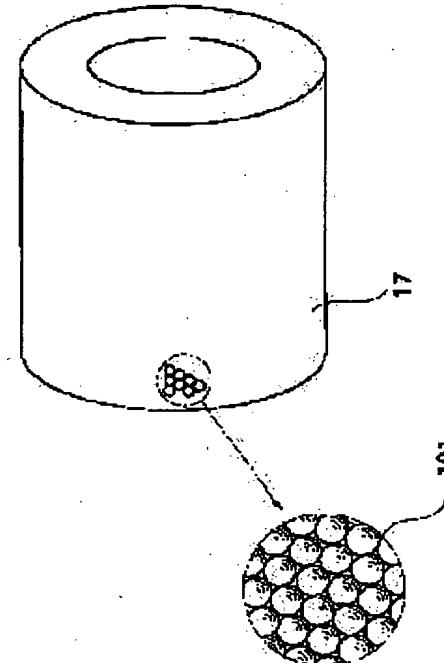
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(54) HEAT SINK FILTER FOR INFLATOR AND INFLATOR HAVING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a heat sink filter for an inflator having sufficient heat sink capacity (cooling capacity) and filtering capacity (cleaning capacity) and also excellent in the controllability of air permeability, and the inflator having the heat sink filter.

SOLUTION: The heat sink filter 17 is arranged in the combustion chamber of the inflator and functions in order not only to lower the temperature of combustion gas but also to remove slag from the combustion gas. The heat sink filter 17 is a cylindrical body comprising a molded and sintered spherical powder 101. The spherical powder has a melting point of 600°C or higher, a specific heat of 0.035 kcal/kg°C or more, a particle size of 0.3-2.0 mm and a specific surface area of 1.45 times or more. The heat sink filter 17 comprising the spherical powder 101 has a density of 4 g/cm³ and air permeability permitting 1 mol of gas to pass within 50 msec.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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